

Draft PROGRAMME i-PolyMat 2010**Sunday, May 16****16.00 Opening Registration Desk****18.30 Welcome****19.00 Dinner****20.30 Opening Abbey Wine Cellar****Monday, May 17****Aula : Opening Session**

- 9.00 Du Prez, F., (Gent): Click chemistries and step-growth polymerisation: a good marriage ?
- 9.30 Cohen-Stuart, M., (DPI&Wageningen): Polymers that polymerize. Fibril formation of biosynthesized protein polymers driven by silk-like motifs
- 10.00 Wattkins, J.J., (UMASS): Additive Driven Assembly of Polymer/Nanoparticle Systems: A Scalable Approach for the Production of Well Ordered Hybrid Materials
- 10.30 Coffee break**

Aula : Session 1. (Polymer Chemistry)

- 10.45 Jordan, R., (Dresden): Engineered Surfaces by surface –initiated Polymerisation
- 11.10 Lommerts, B., (Latexfalt) : Emulsion stabilization by selective adsorption of semi-rigid Assemblies of Biopolymer Molecules onto Cationic Surfaces
- 11.25 Sijbesma, R. (TUE) : ..Title will come soon..
- 12.00 Bon, S., (Warwick): Supracolloidal Polymer Chemistry: Assembly of colloidal building blocks as route to nanocomposite materials

12.30 LUNCH

- 13.30 Lazarev, M., (N Novgorod): Controlled polymerization of MMA in the presence of the nickel-polymer immobilized catalyst
- 13.55 De Graaf, A., (Utrecht): Amphiphilic thermosensitive peptide hybrid ABC block copolymers obtained by ATRP synthesis, self assembly and enzymatic degradation
- 14.20 Chinarev, A., (Moscow) : Supra-molecular Chemistry against Viruses
- 14.45 Espeel, P.,(Gent):Thio-click”chemistry towards functional polymers:How to optimize it
- 15.10 Coffee break**

- 15.30 Noordover, B., Koning.C (Eindhoven) : Biobased Coatings
- 15.55 Ebrahimzadeh, F(IAU) : Synthesis and Characterisation of new Phosphinated Polyvinylalcohol(PVA-PPh₂) as new heterogeneous polymer with nanoparticles of Ni
- 16.20 Alcazar, A.(UC La Mancha): Synthesis of Sulphonated P(St-DVB) containing di(2-ethylhexyl)phosphoric acid as core material
- 16.45 Rasool, N. (Faisalabad): Regioselective Palladium(0)-Catalyzed Cross-Coupling Reactions of Tetrabromothiophene
- 17.10 Solhi,L (IUT): Glycidyl methacrylate grafted curable chitosan.**

18.30 DINNER**20.00-22.30 POSTER SESSION with wine**

Monday, May 17

Conference Hall , Session 2. (Nanocomposites & Processing)

- 10.45 Dingemans, T., (Delft). SWCNT nanocomposites based on an all-aromatic liquid crystal polyetherimide : Synthesis and Characterisation.
- 11.10 Bilotti, E., Peijs, A. (QMU London): Dynamic Percolation in Nanotube Composites
- 11.35 Wessling M., (UTwente & Aachen): Nano membranes
- 12.00 Kobitskaya., E(Ulm): Hybrid Metal-Polymer Nanoparticles by Mini-emulsion: a Starting Point for Nanotechnology

12.30 LUNCH

- 13.30 Picken ,S (Delft) : Mechanical and thermal properties of polymer nanocomposites
- 13.55 Böker, A., (Aachen) : Directing the Self-assembly of Nanoparticles
- 14.20 Valenza, A., (Palermo): Aluminium to composite adhesive joints
- 14.45 Alamo, R., (Tallahassee): Effect of Long Chain Branch Distribution on the Crystallization of Isotactic Poly(propylenes)

15.10 Coffee break

- 15.30 Khunova, V (Bratislava): Polymer Nanocomposites based on natural nanotubes: perspectives and limitations.
- 15.55 Adams, A.(Aachen): From Nanocomposites to Biomaterials: Insights from Solid State NMR
- 16.20 Dworak, A., (Zabrze): Approach to Nanoparticles by aggregation of thermosensitive polymers
- 16.45 Cock, C., (Borealis): Phase Coarsening of High Impact Polypropylene over Thermal Treatment
- 17.10 Esteves, A., (Eindhoven): Self-replenishing of low-surface-energy groups in polymeric systems: understand to apply.
- 17.35 Ranjbar, M., (AryaSasol Polymer Co): Effect of Organoclay and SEBS-g-MA Contents on Constituting Balance between Stiffness vs. Toughness in PP/SEBS-g-MA/Organoclay Nanocomposites

18.30 DINNER

20.00-22.30 POSTER SESSION with Wine

Tuesday, May 18: i-Polymer Materials

- 8.30 Schmidt, H-W., (Bayreuth): Advances in Polymer Electret Materials
 9.00 Pich, A, (DWI Aachen): Hydrophilic Microgels with Hydrophobic Nanodomains
 9.30 Prisacariu, C., (I. Petru Poni): Recent developments in the stress-strain behaviour of segmented polyurethanes: sensitivity to molecular structure

10.00 Coffee break**Aula: Session 3. (Functional Materials, etc)**

- 10.15 Khutoryanskiy, V., (Reading): Layer-by-layer self-assembly of hydrogen-bonded interpolymer complexes on glass surfaces
 10.40 Elyashevich G., (St.Petersburg): Electro-, photo- and pH-stimuli responsible nanostructured composites containing conductive polymers and hydrogels onto porous matrix.
 11.05 Brüggemann, O., (Linz): New functional materials based on polyphosphazenes and molecularly imprinted polymers
 11.30 Debije, , M. (Eindhoven): Harvesting light with Polymers.
 11.55 Kotlewski, A., (Delft): All-aromatic Liquid Crystal Triphenylamine-based Poly(azomethine)s as Hole Transport Materials for Optoelectronic Applications

12.20 LUNCH

- 13.30 Greiner, A. (Marburg): Does electrospinning of Polymer Nanofibres has a real potential of applications?
 13.55 Mourran, A., (Aachen) : Hierarchical ordering: From thin film to Polymersomes
 14.20 Ceelen,K., (DSM): Experience Dyneema purity®, the world strongest medical-grade fiber
 14.45 Gugliuzza, A.,(ITM-CNR Rende) 3D Well-ordered architectures in polymeric membranes: structure-property relationships

15.10 Coffee break

- 15.30 Van Camp,W.,(Gent) : Poly(ethylene glycol) based Degradable Cryogels
 15.55 Wiesbrock, F., (Graz): Microwave-Assisted Synthesis and Characterization of 2-Oxazoline-Based Hydrogels
 16.20 Namdeo, S., (Groningen): Bio-inspired Design of Micro-swimmer using Functional Polymers
 16.45 Sanchez, C., (CSIC, Zaragosa) : Thiol-yne photopolymers for tissue engineering applications
 17.10 Tracz, A (Lodz): Phase transitions in highly oriented layers of discotic semiconductors
 17.35 Pakhomov, P., (Tver): Supra-molecular hydrogel based on amino acid cysteine and silver salts for medical application
 18.00 Shrivastava, D.,(Gurgaon): Quantum Dot Organic Light Emitting Diodes
 18.15 Sadeghi, M., (IUT): Swelling Behavior of Carboxymethyl cellulose-g-PAAm Super absorbent Hydrogel
 18.30 Chuysinuan, P., (Bangkok): Electrospun Polyacrylonitrile fibre mats containing extracts from Garcinia Mangostana and their release characteristic

20.00 CONFERENCE DINNER

Tuesday, May 18

Conference Hall Session 2. second part (Nanocomposites & Processing)

- 10.40 Frache, A.,(PT Torino) Poly(butylensuccinate co-adipate)-Thermoplastic starch Nanocomposite Blends.
- 10.40 Handgraaf, J., (Culgi): Application of The Culgi Library in the Chemical Industry
- 11.05 Enciso, E., (Madrid): PolyPyrrole nanocoating of polymer particles
- 11.30 Pensec, S., (UPMC Paris): Adhesive properties and rheology in supramolecular polymers
- 11.55 Goossens, H (TUE): In-situ Nanocomposites for improved Processability

12.20 LUNCH

- 13.30 Borreguera, A., (UC La Mancha): Incorporation of Microencapsulated PCMs into Rigid Polyurethane Foams
- 13.55 Ebner, C., (Leoben): Modification of short-chain-length poly(hydroxyalkanoate)s by UV-induced cross-linking
- 14.20 Nedbal, J., (Prague): Nanostructured organic-inorganic hybrid materials: thermal and relaxation behavior.
- 14.45 Teteris, G (BAM Berlin): Monitoring of the Curing of Epoxy Resins with Different Methods

15.10 Coffee break

- 15.30 Moghbeli, M., (IUST): Effect of Organoclay on the Morphology and Mechanical properties of the Elastomeric Open Porous BA/St/DVB PolyHIPE Solid Foam
- 15.55 El-Hag Ali, A., (Riyadh): Synthesis and Characterization of Hydroxyapatite/Gelatin Based Copolymer nanocomposite
- 16.20 Soltani, I., (IK Co): A rheological Investigation of Glass Fiber Reinforced Nylon 66 Toughening process with EPDM.
- 16.45 Zulkifli A., (Penang): Dielectric constant dependence on fluorine content and porosity of polyimides.
- 17.10 Engels, T. (DSM): Mechanical Behaviour of Polylactides
- 17.35 Bakhshandeh, F., (IPPI): New Core-Shell Structured Rubber Latex Particles as Impact modifier for Unsaturated Polyester (UP).
- 17.55 Alsewilem, F.D., (KACST): The potential of using polymer blends for heavy metals removal from water

20.00 CONFERENCE DINNER

Tuesday, May 18

Conference Hall B: NEW SESSION Bio-Based Polymers

Depending on the number and interest of participants, a parallel session on “Bio-Based Plastics” will be organized on Tuesday afternoon, May 18th. At present a number of companies in The Netherlands are active in this area such as Purac (PLA and stereo-complex PLA) and Synbra (PLA-foam) and they will present their products. We invite participants to contribute to this session with scientific lectures.

Wednesday, May 19

Aula: Session 4. (Bio/Medical)

- 8.30 Smit, L., (DSM): i-Polymers for i-Arthroplasty Implants
- 8.55 Goa, F (Nottingham): Non-migration type antimicrobial polymer nanocomposites
- 9.20 Jerome, C., (Liege): Smart Drug delivery systems based on Ph sensitive ABC block vs star Copolymers
- 9.45 Tsvetanov, C., (Sofia): A New mild Approach for Encapsulation of Biologically active compounds
- 10.10 van Nostrum, C., (Utrecht) :Covalent and non-covalent immobilization of proteins in hydrogels for controlled release

10.35 Coffee break

- 10.50 Appel, W, Meijer. E.,(Eindhoven): Supramolecular Biomaterials: Bioactivity and Dynamics
- 11.15 Meyer, W., (Fraunhofer Potsdam) :Biocompatible Materials for Rapid Prototyping by an inkjet printing process
- 11.40 Nottelet, B., (CNRS Montpellier) Surface modification of PLA: use of a novel and versatile technique for biomedical applications
- 12.05 Lamoura, S., (Algeria): PANI-doped L lactid Acid/Poly(lactic Acid) Biocomposite study
- 12.30 Klee, D., (Aachen): Micro- and nano particulate drug release systems – new developments for medical and pharmaceutical applications

13.00 LUNCH

- 14.00 Utrata, A., (Zabrze): Temperature-responsive surfaces for skin cell adhesion and proliferation
- 14.25 Muntean, S., (Eindhoven): Molecular-dynamics simulations of Polymer Surfaces for Biosensors application.
- 14.50 Boerakker, M. (DSM): Novel Thioester-based Degradable Polymers: Synthesis, Drug Release and application.
- 15.10 Zubov, V.,(Moscow): Bioanalytical systems based on synthetic Polymers
- 15.35 Shokrollahi, P.(Cambridge): Supramolecular polymer Composite for Tissue engineering applications.
- 15.50 Loontjens, T. (DSM): Functional Polyurethane Biomedical Coatings.
- 16.15 Jhurry, D., (Redit): Biocompatible poly(ester-ether)s: synthesis and medical applications

16.35 CLOSING AND FAREWELL PARTY

Wedneseday, May 19

Conference Hall; Session 5 (Polymers and Energy)

- 8.30 Janssen, R., (Eindhoven): New Materials and multi-junction Polymer Solar Cells
- 8.55 Godovsky, D., (LG Electronics): Modelling of Polymer Solar Cell Efficiency based on Marcus theory of electron transfer
- 9.20 Grossiord, N., (TNO): Fexible Large Area Organic Photovoltaics for Sustainable Energy Production
- 9.45 Kroon, J., (ECN) : Polymer based photovoltaics: progress towards application
- 10.10 Nijmeijer, K., (Utwente): Ion Conductive Spacers for increased densities in reverse Electrodialysis

10.35 Coffee break

- 10.50 Bastiaansen, C., Broer, D., (TUE): Luminescent Solar Energy Concentrators
- 11.15 Angeline, J., (Campinas): Degradation studies of Polymeric surge arrester and insulators – Products Performance Requirements to Energy Power System.
- 11.40 Lonkhuyzen, H., (Dutch Space BV) : Development of flexible LEO resistant PI films for space applications using a self-healing mechanism by surface directed Phase separation of Block copolymers
- 12.05 Noordermeer, J., (Utwente): Enhanced Polymer Filler Interaction: the basis for low energy consuming, low rolling resistant tyres
- 12.30 Abloo, A., (Tartu): Experiments with self-sensing IPMC actuating device

13.00 LUNCH

16.30 Closing and Farewell

Monday, May 17: 20-22.30: POSTER SESSION with Wine**A) Chemistry**

1. Sivkova, R. (Prague) : Substituted polyacetylenes modified via "click" chemistry
2. Saeed, A. (Norwich): Synthesis, characterisation and solution thermal behaviour of a family of poly (N-isopropyl acrylamide-co-N-hydroxymethyl acrylamide) copolymers
3. Prisacariu, C.(Iasi): New approaches in the Synthesis and Characterisation of Segmented Polyester Polyurethane Elastomers based on mixtures of diisocyanates
4. Vijay Y. : Synthesis of polymer using green chemical approach.
5. Saharam, J. (Lahore), : Syntheses and Characterisation of Metal-bound Polymers
6. Hankova, V.(Prague): Copolymers of substituted acetylenes: Starting material for post-polymerisation modification
7. Su, Y. (Hannover): Synthesis of PolySia Scaffold Material for Tissue Engineering using "Click" Chemistry
8. Blanquer, S(Montpellier): Synthesis and (co)-polymerization of novel amino functional valerolactone : Aminated (co)-polyester for biomedical applications
9. Payam, Z. : Formulation and optimization of an oxidative vulcanization system for polysulfide sealants using a D-optimal design
10. Gharib, A (PPC). : Polymerization By Heteropolyacids catalysts
11. Abdel-Aziz, H (ATA-Cairo): Radiation Synthesis of Poly(Acrylamide-Acrylic Acid Dimethylaminoethyl methacrylate) Resin and its Use for Binding of Some Anionic Dyes
12. Amin, A.(IPI): Atom Transfer Radical Polymerisation of Acrylamide in Reverse Suspension

B) Nanocomposites/processing/ etc

1. Hedge, M., (Delft): SWCNT Nanocomposites Based on an All-aromatic Liquid Crystal Polyetherimide: Synthesis and Characterization
2. Bal, A.,(Istanbul): A New Silica Modified Alkyd-Phenol Formaldehyde Type Resins
3. Borreguera, A.(UC La Manca): Enhancing the Microcapsules Properties by Adding Carbon Nanofibers
4. Lecouvet, B.,(Louvain): Polymer Nanocomposites based on Halloysite Nanotubes
5. Hu, G., (ESPCI-Paris): Monolithic Mesostructured Fe 127/SiO₂ composites: synthesis structure and mechanical properties.
6. Ostapenko, N. (Kiev): Confinement dependence of polysilane/silica nanocomposite
7. Mantel, A., (Astana): Preparation and characterization of new nanosized supramolecular scintillation materials
8. Saunders, G., (VARIAN):Investigating Polymer Structure by Gel Permeation Chromatography
9. Lyulin, A., (Eindhoven): Oxidation effects on properties of polystyrene surfaces and their interaction with water
10. Neratova, I., (Ulm): Self-assembly of block copolymers in nanofilms under the influence of solvent and near the selective adsorbing surface
11. Cho, J., (Seoul) :Hyperbranched Polymers for Carbon Nanotubes Dispersion
12. Adams, A., (Aachen): Structure-Properties relationships in novel Polyethylene Nanocomposites
13. Mimaroglu A., (U Sarkazy) : Study of Multicomponent Compounding of Polyamide-6
14. Hollebekkers, K., (Shimadzu)
15. Prisacariu, C., (Iasi): Influence of Macrodiol on the Phase-separation and Crystallization Processes in Hard-phase Reinforced Polyurethane Elastomers

16. Morales, A., (Madero): Influences Exerted by Typical Industrial Process Conditions for Inducing the β Phase in an i-PP using CaCO_3 as Additive
17. Rossegger, E. (Graz): Injection Moulding of Short-Chain-Length Poly(hydroxyalkanoate)s
18. Valentova, H., (Prague): Aging of Conveyor Belt Rubbers: Air and Oven Aging
19. Mouzali, M., (Algiers): Degree of Conversion and Shrinkage strain of dental resin-composites
20. Saki, T., (B-U): Improving the Design Stresses of High Density Polyethylene Pipes and Vessels Used in Reverse Osmosis Desalination Plants
21. Khajeh, M., (Zabol): Application response surface methodology in the optimization of molecular - imprinted polymer for hydrazine removal from environmental water
22. Hosseini, H., (IAU): Some aspects of Warpage in Polymer Products
23. Testouri, A., (Paris–Sud): Highly Structured Porous Polymer materials from liquid foam Templates
25. Baudouin, A (UCL); Localization of MWCN in immiscible Polymer Blends and Consequences on Blend Stabilization

C) Functional

1. Martin, L., (Valladolid): Novel Design of Multifunctional recombinant elastin-like copolymers as in situ injectable thermoreversible gels.
2. Weda, P., (Zabrze): Thermosensitive mesoglobules of random poly(glycidol-co-ethylglycidyl carbamate)
3. Popa, A-M., (St Gallen): Humidity responsive membranes for intelligent textiles
4. Kazazi Hyseni, F., (Utrecht): Biodegradable Poly(lactic-co-hydroxymethyl glycolic acid) microspheres for controlled release of anti inflammarory drugs in treatment of Renal diseases
5. Pereira de Lima, P., (Aveiro): Photostability study of luminescent complexes in sol-gel derived host materials
6. Peter, K., (Aachen): Skin of sandskink- a model on low friction and low wear thermoplastic nanocomposite surfaces
7. Haarmann, D., (Aachen): Electrospun Fibres from Poly-glycidol/Poly ϵ -Caprolacton Blends with defined Surface properties.
8. Frickel, N., (Düsseldorf): Magnetic and Dielectric Response of [CoFe₂O₄@PU](#) Composites
9. Won Rhim, J., (Daejeon): Preparation and Characterization of improved PVA/PSSA-MA Membranes through addition of Silica Compounds and Surface Fluorination for Fuel Cell applications
10. Ozkahraman, B., (Hitit U.): Synthesis of ionic-imprinted polymer for selective removal of Zn(II) from aqueous solutions
11. Kim, C., (Seoul): Fluorecent Self-Assembled Nanotubes Derived From Dendrons and Cyclodextrins
12. Rahmouni, A., (Oran): process for preparation a conducting polyaniline with low molécular weigh used in fabrication of membrane anti-inflammatory
13. Changsarn (Bangkok): Morphology and Optical Properties of Electrospun Light-emitting fibre from binary conductive Polymer Blend
14. Messing, R. (Düsseldorf): Magneto-mechanical Coupling in Ferrohydrogel Composites
15. Korniyuchuk, P(Lodz): Morphology and fluorescence of neat and rotaxinated poly(4,4'-diphenylene vinylene) in various states of aggregation

D) Bio-Med

1. Krause, A., (Hannover): Radically and in situ formed hydrogels as extracellular matrices based on hyaluronic acid, alginate and gelatin
2. Möller, L., (Hannover): Functionalisation of Polymethylpentene Membranes with cyclic RGD-Peptides for Applications in the Field of Tissue Engineering
3. Recker, T.,(Aachen): Directed immobilization of fluorescently labelled cytokines for the analysis of their signal transduction by confocal microscopy
4. Scorrano, S (Lecce) : Water-compatible molecularly imprinted polymers for solid phase extraction of 1-methyladenosine as tumor marker
5. Plum, A., (Plum): Multifunctional Polyvinylamine: Preparation and Antimicrobial Properties
6. Novo, L., (Utrecht) : Biodegradable polymeric nanoparticles for cancer gene therapy
7. Kozak, R., (Zabrze):Biodegradation of poly(2-hydroxyethyl methacrylate) networks obtained by radical polymerisation
8. Draaisma ,G.(DSM) : In vitro degradation of polyester amides for drug delivery purposes
9. Kemp, A., (DSM): In vivo and in vitro degradation of polyester-urethane-(meth)acrylate designed for drug delivery purposes
10. Shokrollahi, F.,(IPPI) : Synthesis and properties of Biodegradable Poly(urethane urea) based on PCL/PEG for bone tissue engineering
11. Sushko, R., (Strasbourg): Peculiarities of molecular architecture of biohybrid graft-copolymers
12. Zhunusbekova, N. (Almaty): Interpenetrating Network based on Chitosan and 2-hydroxy Ethyl acetate: synthesis and complex formation with Fe(III)-Phaeophytin.
13. Zupancich, J., (DSM): Core-Shell Microspheres for Delivery of an Aqueous Biologic
14. Kakkar D.,:Thermoforming Poly(ethylene glycol) antitubercular prodrugs: A comparative evaluation
15. Pakakrong Sansahnoh: In vitro biocompatibility of electrospun and solvent-cast chitosan substrata towards Schwann, osteoblast, keratinocyte and fibroblast cells
16. Zahedi, P., (Tehran): Uses of electrospun biopolymers nanofibers in wound dress
17. Hamzah, H., (Algiers): Production and purification of Alginate acid from Azotobacter springs
18. Alarifi, A.,(Riyadh): Swelling and Drug Release Behavior of a pH-Sensitive Hydrogels Obtained by Gamma Irradiation
19. Dirks, T., (DSM): Antimicrobial coatings based on Poly(amido-amine)s.